

What is claimed is:

1. A fuel gas filling system for a vehicle having a supply section which allows a fuel gas filler nozzle to be connected thereto, and a fuel lid which is operable to be opened or closed for covering the supply section, the fuel gas filling system comprising:
 - 5 an opening operation section to which an opening operation for the fuel lid is applied;
 - an operation wire, which is provided between the opening operation section and the fuel lid, for making the fuel lid respond to the opening operation applied to the
 - 10 opening operation section; and
 - a locking device having a movable element connected to the operation wire, a fixed element for supporting the movable element in a manner movable with the operation wire, a lock pin for restraining movement of the movable element by being inserted into the fixed element and the movable element, and an actuator for making the
 - 15 lock pin to be engaged with or disengaged from the fixed element and the movable element,
- wherein the actuator is adapted to make the lock pin to be engaged with the fixed element and the movable element when the vehicle is not stationary.
- 20 2. A fuel gas filling system for a vehicle having a fuel gas filler receptacle which allows a fuel gas filler nozzle to be connected thereto, a fuel lid which is operable to be opened or closed for covering the fuel gas filler receptacle, a ground connection section which allows a ground connection line to be connected thereto, and a ground connection lid which is operable to be opened or closed for covering the ground connection section,
- 25 the fuel gas filling system comprising:

an opening operation section which is provided in a portion that is covered by the ground connection lid in a closed state, and to which an opening operation for the fuel lid is applied;

an operation wire, which is provided between the opening operation section and

- 5 the fuel lid, for making the fuel lid respond to the opening operation applied to the opening operation section; and

a locking device having a movable element connected to the operation wire, a fixed element for supporting the movable element in a manner movable with the operation wire, a lock pin for restraining movement of the movable element by being inserted into the fixed element and the movable element, and an actuator for making the lock pin to be engaged with or disengaged from the fixed element and the movable element,

wherein the actuator is adapted to make the lock pin to be engaged with the fixed element and the movable element when the vehicle is not in a stationary state.

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3. A fuel gas filling system for a gas-fueled vehicle having a fuel gas filler receptacle which allows a fuel gas filler nozzle to be connected thereto, a fuel filler lid which is operable to be opened or closed for covering the fuel gas filler receptacle, a ground connection section which allows a ground connection line to be connected thereto, 20 and a ground connection lid which is operable to be opened or closed for covering the ground connection section, the fuel gas filling system comprising:
 - a ground connection lid opening operation section to which an opening operation for the ground connection lid is applied;
 - a fuel filler lid opening operation section which is provided in a portion that is 25 covered by the ground connection lid in a closed state, and to which an opening operation

for the fuel filler lid is applied; and

an operating device for making the fuel filler lid respond to the opening

operation applied to the fuel filler lid opening operation section; and

a restraining device which is adapted to permit opening of the fuel filler lid by

5 the opening operation applied to the fuel filler lid opening operation section when the gas-fueled vehicle is in a stationary state, and to restrain opening of the fuel filler lid by the opening operation applied to the fuel filler lid opening operation section when the gas-fueled vehicle is not in a stationary state.

10 4. A fuel gas filling system according to claim 3,

wherein the operating device comprises an operation wire provided between the fuel filler lid opening operation section and the fuel filler lid, and

wherein the restraining device comprises a locking device which is adapted to make the operation of the operation wire to be possible or impossible, or to make the

15 operation of the operation wire to be effective or ineffective.

5. A fuel gas filling system according to claim 3,

wherein the operating device comprises a switching section which allows electricity to flow through when the opening operation is applied to the fuel filler lid

20 opening operation section, and a coil section which allows the fuel filler lid to be opened by being supplied with excitation electricity when electricity flows through the switching section, and

wherein the restraining device comprises a relay circuit which is adapted to make the switching section and the coil section to be connected to or disconnected from

25 each other.

6. A fuel gas filling system according to claim 3, further comprising an opening sensor for sensing whether the fuel filler lid is open or closed, wherein the gas-fueled vehicle is maintained in a stationary state when it is determined by the opening sensor
5 that the fuel filler lid is open.

7. A fuel gas filling system according to claim 4, further comprising an opening sensor for sensing whether the fuel filler lid is open or closed, wherein the gas-fueled vehicle is maintained in a stationary state when it is determined by the opening sensor
10 that the fuel filler lid is open.

8. A fuel gas filling system according to claim 5, further comprising an opening sensor for sensing whether the fuel filler lid is open or closed, wherein the gas-fueled vehicle is maintained in a stationary state when it is determined by the opening sensor
15 that the fuel filler lid is open.

9. A fuel gas filling system according to claim 5, further comprising an opening sensor for sensing whether the fuel filler lid is open or closed, wherein, when it is determined by the opening sensor that the fuel filler lid is open, the gas-fueled vehicle is
20 maintained in a stationary state, and the excitation electricity is not supplied to the coil section.